

1        ABSTRACT

2        A means and method whereby ions from an ion source can be  
3        selected and transferred via a multipole analyzer system in such  
4        a way that ions are trapped and analyzed by inductive detection.  
5        Ions generated at an elevated pressure are transferred by a pump  
6        and capillary system into a multipole device. The multipole  
7        device is composed of one analyzing section with two trapping  
8        sections at both sides. When the proper voltages are applied,  
9        the trapping sections trap ions within the analyzing region. The  
10       ions are then detected by two sets of detection electrodes.